

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

46 1

I believe I am the original first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same

the specification of which (check one) $\underline{\ }$ is attached hereto or $\underline{\ }$ was filed on <u>September 18, 2000</u> as Application Serial No. <u>09/665,350</u> and was amended on $\underline{\ }$ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

lacknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate have a filling date before that of the application on which priority is claimed:

Prior Foreign Ap	oplication(s):		Priority Claimed Yes No
Number	Country	Day/Month/Year Filed	
: ;====		nited States Code, §119(e) of any United States publications)	provisional applications(s) listed below
Application Ser.	No.	Filing Date	

Thereby claim the benefit under Title 35, United States Code, §120 of any United States applications(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

See Attached Appendix B (Listing 29 PCT International Patent Applications)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.



PATENT TRADEMARK OFFICE

South San Francisco, CA 94080

Ralph J. Gabric - Reg. No. 34,167 Paul E. Rauch, Ph.D - Reg. No. 38,591 K. Shannon Mrksich - Reg. No. 36,675 Tom Wrona - Reg. No. is 44,410

Send correspondence to the following address:

Attn: Paul E. Rauch, Ph.D.

Brinks, Hofer, Gilson & Lione NBC Tower - Suite 3600 455 Cityfront Plaza Drive Chicago, IL 60611-5599 Telephone: 312-321-4780

I hereby declare that all statements made herein of my own knowledge and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon. The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from his foreign patent agent as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned. Full name of sole or first inventor Avi Ashkenazi Inventor's signature Residence 1456 Tarrytown Street, San Mateo, CA 94402 Citizenship US Post Office Address 1 DNA Way



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Dan L. Eaton	
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Citizenship	



Full name of fifth joint inventor, if any

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Inventor's signature 538 18 th Avenue, San Francisco, CA 94121	Date	·
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Inventor's signature 19 Başinside Way, Alameda, CA 94502	Date	
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Full nam of thirteenth joint inventor, if any	
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Inventor's signature 64 Seward Street, San Francisco, CA 94114	Date
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Citizenship	
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Full nam of sixteenth joint inventor, if any	
Ivar J. Kljavin	
Inventor's signature 3673 Crescent Drive, Lafayette, CA 94549	Date
Residence US	
Citizenship	
Post Offic Address 1 DNA Way South San Francisco, CA 94080	

Page 7 Full name of s venteenth joint inventor, if any Jennie P. Mather Date Inventor's signature 269 La Prenda Drive, Millbrae, CA 94030 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of eighteenth joint inventor, if any James Pan Date Inventor's signature 2705 Coronet Boulevard, Belmont, CA 94002 Residence Canada Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of nineteenth joint inventor, if any Nicholas F. Paoni Date Inventor's signature 1756 Terrace Drive, Belmont, CA 94002 Residence US لد Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twentieth joint inventor, if any Margaret Ann Roy Date Inventor's signature 2960 Webster Street #4, San Francisco, CA 94123 Residence US

Citizenship

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Full name of twenty-first joint inventor, if any

Timothy A. Stewart	
Inventor's signature 465 Douglass Street, San Francisco, CA 94114	Date
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Citizenship	
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Full name of twenty-second joint inventor, if any	
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P. Mickey Williams	D-A-
Inventors signature 509 Alte Avenue, Half Moon Bay, CA 94019	Date
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Citizenship	
Post Offic Address 1 DNA Way South San Francisco, CA 94080	
Full name of twenty-fourth joint inventor, if any	
Inventor's signature	Date
William I. Wood	·
Resid nce 35 Southdown Court, Hillsborough, CA 94010	
Citizenship US	
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See Attached Appendix A (Listing 62 U.S. Provisional Patent Applications)

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Full name of sole or first inventor

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Avi Ashkenazi

Inventor's signature

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Citizenship
US

Post Office Address 1 DNA Way



Page 3 Full name of second joint inventor, if any **David Botstein** Inventor's signature 2539 Somerset Drive, Belmont, CA 94002 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of third joint inventor, if any Luc Desnoyers Date Inventor's signature 2050 Stockton Street, San Francisco, CA 94133 Residence Canada Citizenship Post Office Address 1 DNA ₩ay South San Francisco, CA 94080 Full name of fourth joint inventor, if any Dan L. Eaton Date Inventor's signature 75 Knight Drive, San Rafael, CA 94901 Residence US Citizenship

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Ellen Filvaroff	:
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Full name of seventh joint inventor, if any	
Sherman Fong	
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Full name of ninth joint inventor, if any Hanspeter Gerber Date Inventor's signature 1121 Tennessee Street #5, San Francisco, CA 94107 Residence Switzerland Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of tenth joint inventor, if any Mary E. Gerritsen Date Inventor's signature 541 Parrott Drive, San Mateo, CA 94402 Residence Canada-Citizenship ÷Ω Post Office Address 1 DNA ₩ay South San Francisco, CA 94080 Full name of eleventh joint inventor, if any Audrey Goddard Date Inventors signature 110 Congo Street, San Francisco, CA 94131 Residence Canada Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twelfth joint inventor, if any Paul J. Godowski Date Inventor's signature 2627 Easton Drive, Burlingame, CA 94010 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080

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James Pan	
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Luc Desnoyers	06/18/2001 Date
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Full name of ninth joint inventor, if any

Full name of thirteenth joint inventor, if any

J. Christopher Grimaldi		
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Full name of fourteenth joint inventor, if any		
Austin L. Gumey	··	
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Brinks, Hofer, Gilson & Lione NBC Tower - Suite 3600 455 Cityfront Plaza Drive Chicago, IL 60611-5599 Telephone: 312-321-4780

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Full name of sole or first inventor	
Avi Ashkenazi	
Inventors signature	Date
Residence 1456 Tarrytown Street, San Mateo, CA 94402	
Citizenship US	
Post Office Address 1 DNA Way South San Francisco, CA 94080	

David Botstein Date Inventor's signature 2539 Somerset Drive, Belmont, CA 94002 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of third joint inventor, if any Luc Desnoyers Date Inventor's signature 2050 Stockton Street, San Francisco, CA 94133 Residence Canada Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Hil Full name of fourth joint inventor, if any 1.0 Dan L. Eaton Inventor's signature 75 Knight Drive, San Rafael, CA 94901 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080

Full name of second joint inventor, if any

Full name of fifth joint inventor, if any Napoleone Ferrara Date Inventor's signature 2090 Pacific Avenue #704, San Francisco, CA 94109 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of sixth joint inventor, if any Ellen Filvaroff Date Inventor's signature 538 18th Avenue, San Francisco, CA 94121 Residence US ÷Ω Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of seventh joint inventor, if any Sherman Fong Date Inventor's signature 19 Basinside Way, Alameda, CA 94502 Residence US ⊨ Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of eighth joint inventor, if any Wei-Qiang Gao Date Inventor's signature 641 Pilgrim Drive, Foster City, CA 94404 Residence China Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080

Page 5 Full name of ninth joint inventor, if any Hanspeter Gerber Date Inventor's signature 1121 Tennessee Street #5, San Francisco, CA 94107 Residence Switzerland Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of tenth joint inventor, if any Mary E. Gerritsen Date Inventor's signature 541 Parrott Drive, San Mateo, CA 94402 Residence Canada Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of eleventh joint inventor, if any Audrey: Goddard Date Inventor's signature 110 Congo Street, San Francisco, CA 94131 Residence Canada Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twelfth joint inventor, if any Paul J. Godowski Date Inventor's signature 2627 Easton Drive, Burlingame, CA 94010 Residence

US

Citizenship

Post Offic Addr ss 1 DNA Way

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Inventor's signature 269 La Prenda Drive, Millbrae, CA 94030	Date
Residence US	
Citizenship	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of eighteenth joint inventor, if any	
James Pan	
Inventor's signature 2705 Coronet Boulevard, Belmont, CA 94002	Date v
Residence Canada	
Citizenship	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of nineteenth joint inventor, if any Nicholas F. Paoni	
Invento signature 1756 Tagrace Drive, Belmont, CA 94002	Date
Residence US	
CitizensHip	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of twentieth joint inventor, if any	
Margaret Ann Roy	·
Inventor's signature 2960 Webster Street #4, San Francisco, CA 94123	Date
Residence US	
Citizenship	
Post Office Address 1 DNA Way South San Francisco, CA 94080	

Full name of twenty-first joint inventor, if any

Timothy A. Stewart	
Inventor's signature 465 Douglass Street, San Francisco, CA 94114	Date
Residence US	
Citizenship	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of twenty-second joint inventor, if any	
Daniel Tumas	Data
Inventor's signature 3 Rae Avenue, Orinda, CA 94563	Date
Residence US	
Citizenship	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of twenty-third joint inventor, if any	
P. Mickey Williams	
Inventor sisignature 509 Alto-Avenue, Half Moon Bay, CA 94019	Date
Residence US	
Citizenship	,
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of twenty-fourth joint inventor, if any	
Inventor's signature	Date
William 1. Wood	
Residence 35 Southdown Court, Hillsborough, CA 94010	
Citizenship US	
Post Offic Address 1 DNA Way South San Francisco, CA 94080	

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Prior Egreign Application(s):

Priority Claimed
Yes No

Number

Country

Day/Month/Year Filed

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See Attached Appendix A (Listing 62 U.S. Provisional Patent Applications)

Application Ser. No.

Filing Date

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apoleone Ferrara	6/19/01
ventor's signature 090 Pacific Avenue #704, San Francisco, CA 94109	Date
esidence IS	
VSA VSA	
ost Office Address DNA Way outh San Francisco, CA 94080	
ull name of sixth joint inventor, if any	
llen Filvaroff	·
nventor's signature 38 18 th Avenue, San Francisco, CA 94121	Date
tesidence IS : <u>1</u>	
Citizenship	
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full name of seventh joint inventor, if any	
Sherman Fong	
nventors signature 9 Basinside Way, Alameda, CA 94502	Date
Residence US <u>1</u>	
Citizenship	
Post Office Address I DNA Way South San Francisco, CA 94080	
Full name of eighth joint inventor, if any	
Vei-Qiang Gao	
nventor's signature 41 Pilgrim Drive, Foster City, CA 94404	Date .
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Full name of seventeenth joint inventor, if any	
Jennie P. Mather	
nventor's signature 269 La Prenda Drive, Millbrae, CA 94030	Date
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James Pan	
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R sidence Canada	
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Full name of nineteenth joint inventor, if any	
Nicholas F. Paoni	
Inventors signature 1756 Terrace Drive, Belmont, CA 94002	Date
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Prior Eoreign Ap	oplication(s):		Priority Claimed
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Number	Country	Day/Month/Year Filed	
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Luc Desnoyers	
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Page 6 Full name of thirteenth joint inventor, if any J. Christopher Grimaldi Date Inventor's signature 1434 36th Avenue, San Francisco, CA 94122 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of fourteenth joint inventor, if any Austin L. Gurney Date Inventor's signature 1 Debbie Lane, Belmont, CA 94002 Residence US ٠Đ Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of fifthteenth joint inventor, if any Kenneth J. Hillan Date Inventors signature 64 Seward Street, San Francisco, CA 94114 Residence GB Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of sixteenth joint inventor, if any Ivar J. Kljavin Date Inventor's signature 3673 Crescent Drive, Lafayette, CA 94549 Residence US

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Full name of twenty-first joint inventor, if any Timothy A. Stewart Date Inventor's signature 465 Douglass Street, San Francisco, CA 94114 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twenty-second joint inventor, if any **Daniel Tumas** Date Inventor's signature 3 Rae Avenue, Orinda, CA 94563 Residence US Citizenship Post Office Address 1 DNA ₩ay South San Francisco, CA 94080 Ш Full name of twenty-third joint inventor, if any P. Mickey Williams Date Inventor's signature 509 Alto Avenue, Half Moon Bay, CA 94019 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twenty-fourth joint inventor, if any Date Inventor's signature William I. Wood Residenc 35 Southdown Court, Hillsborough, CA 94010 Citizenship US Post Offic Address 1 DNA Way South San Francisco, CA 94080

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Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same

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Number Country Day/Month/Year Filed

Priority Claimed
Yes No

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Docket No. P1618P2C1

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Full nam of thirteenth joint inventor, if any J. Christopher Grimaldi Date Inventor's signature 1434 36th Avenue, San Francisco, CA 94122 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of fourteenth joint inventor, if any Austin L. Gurney Date Inventor's signature 1 Debbie Lane, Belmont, CA 94002 Residence US 🛅 Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of fifthteenth joint inventor, if any Kenneth J. Hillan Date Inventor's signature 64 Seward Street, San Francisco, CA 94114 Residence GB 1 Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of sixteenth joint inventor, if any Ivar J. Kljavin Date Inventor's signature 3673 Cr scent Drive, Lafayette, CA 94549 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080

Full name of seventeenth joint inventor, if any Jennie P. Mather Date Inventor's signature 269 La Prenda Drive, Millbrae, CA 94030 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of eighteenth joint inventor, if any James Pan Date Inventor's signature 2705 Coronet Boulevard, Belmont, CA 94002 Residence Canada Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of nineteenth joint inventor, if any Nicholas F. Paoni Date Inventor's signature 1756 Terrace Drive, Belmont, CA 94002 Residence US u Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twentieth joint inventor, if any Margaret Ann Roy Date Inventor's signature 2960 Webster Street #4, San Francisco, CA 94123 Residence US Citizenship

Post Office Address
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Full name of twenty-first joint inventor, if any Timothy A. Stewart Date Inventor's signature 465 Douglass Street, San Francisco, CA 94114 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twenty-second joint inventor, if any **Daniel Tumas** Date Inventor's signature 3 Rae Avenue, Orinda, CA 94563 Residence US Citizenship Post Office Address 1 DNA ₩ay South San Francisco, CA 94080 Full name of twenty-third joint inventor, if any P. Mickey Williams Date Inventor's signature 509 Alto Avenue, Half Moon Bay, CA 94019 Residence บร Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twenty-fourth joint inventor, if any Date Inventor's signature William I. Wood Residence 35 Southdown Court, Hillsborough, CA 94010 Citizenship US Post Office Address 1 DNA Way South San Francisco, CA 94080

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same

the specification of which (check one) _ is attached hereto or X was filed on September 18, 2000 as Application Serial No. 09/665,350 and was amended on _ (if applicable).

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I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate have a filing date before that of the application on which priority is claimed:

Prior Foreign A	pplication(s):		Priority Claimed
Ď			<u>Yes</u> <u>No</u>
Number	Country	Day/Month/Year Filed	
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See Attached Appendix A (Listing 62 U.S. Provisional Patent Applications)

Application Ser. No. Filing Date

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Ralph J. Gabric - Reg. No. 34,167 Paul E. Rauch, Ph.D - Reg. No. 38,591 K. Shannon Mrksich - Reg. No. 36,675 Tom Wrona - Reg. No. is 44,410

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Full name of sole or first inventor		
Tail hante of sole of first inventor		
Avi [*] Ashkenazi		
Inv nitor's signature	Date	
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David Botstein Date Inventor's signature 2539 Somerset Drive, Belmont, CA 94002 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of third joint inventor, if any Luc Desnoyers Date Inventor's signature 2050 Stockton Street, San Francisco, CA 94133 Residence Canada Citizenship ٠.۵ Post Office Address
1 DNA Way South San Francisco, CA 94080 Full dame of fourth joint inventor, if any Dan L Eaton Inventor's signature 75 Knight Drive, San Rafael, CA 94901 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080

Full name of second joint inventor, if any

Full name of fifth joint inventor, if any Napoleone Ferrara Date Inventor's signature 2090 Pacific Avenue #704, San Francisco, CA 94109 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of sixth joint inventor, if any Ellen Filvaroff Date Inventor's signature 538 18th Avenue, San Francisco, CA 94121 Residence US 🗓 Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of seventh joint inventor, if any Sherman Fong Date Inventor's signature 19 Basinside Way, Alameda, CA 94502 Residence US 🚉 Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of eighth joint inventor, if any Wei-Qiang Gao Date Inv ntor's signature 641 Pilgrim Drive, Foster City, CA 94404 Residence China Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080

Full name of ninth joint inventor, if any	
Hanspeter Gerber	
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Mary E. Gerritsen	
Inv ntor's signature 541 Parrott Drive, San Mateo, CA 94402	Date
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Post Office Address 1 DAA Way South San Francisco, CA 94080	
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Paul J. Godowski	
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to any action to be taken in the Patent and Trademark Office regarding this application will out direct continuities for the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.		
Full name of sole or first inventor		
Avi Ashkenazi		
Inventor's signature	Date	
<u>.</u> <u>∔</u>		
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Citizenship US		
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Inventor's signature 2050 Stockton Street, San Francisco, CA 94133	Date
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Dan L Eaton	
Inventor's signature 75 Knight Drive, San Rafael, CA 94901	Date
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Full name of sixth joint inventor, if any	
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Inventor's signature 19 Basinside Way, Alameda, CA 94502	Date
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Citizenship	
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Full nam of eighth joint inventor, if any	
Wei-Qiang Gao	
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Full name of ninth joint inventor, if any Hanspeter Gerber Date Inventor's signature 1121 Tennessee Street #5, San Francisco, CA 94107 Residence Switzerland Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of tenth joint inventor, if any Mary E. Gerritsen Date Inventor's signature 541 Parrott Drive, San Mateo, CA 94402 Residence Canada Citizenship ij Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of eleventh joint inventor, if any Audrey Goddard Date Inventor's signature 110 Congo Street, San Francisco, CA 94131 Residence Canada ! Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twelfth joint inventor, if any Paul J. Godowski Inventor's signature 2627 Easton Drive, Burlingame, CA 94010 Residence US Citizenship Post Offic Address 1 DNA Way South San Francisco, CA 94080

Full name of thirteenth joint inventor, if any J. Christopher Grimaldi Date Inventor's signature 1434 36th Avenue, San Francisco, CA 94122 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of fourteenth joint inventor, if any Austin L. Gumey Date Inventor's signature 1 Debbie Lane, Belmont, CA 94002 Residence US : 🛅 Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of fifthteenth joint inventor, if any Kennetti J. Hillan Date Inventor's signature 64 Seward Street, San Francisco, CA 94114 Residence GB Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of sixteenth joint inventor, if any Ivar J. Kljavin Date Inventor's signature 3673 Crescent Drive, Lafayette, CA 94549 Residence Citiz nship

Post Offic Address 1 DNA Way

Full name of seventeenth joint inventor, if any	
Jennie P. Mather	
Inventor's signature 269 La Prenda Drive, Millbrae, CA 94030	Date
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James Pan	
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Full name of nineteenth joint inventor, if any	
Nicholas F. Paoni	
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Full name of twenty-second joint inventor, if any	
Daniel Tumas	v-
Inventor's signature 3 Rae Avenue, Orinda, CA 94563	Date
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Full name of twenty-third joint inventor, if any	
P. Mickey Williams	
Inventor's signature 509 Alto Avenue, Half Moon Bay, CA 94019	Date
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Full name of twenty-fourth joint inventor, if any	
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Application Ser. No. Filing Date

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PATENT TRADEMARK OFFICE

Ralph J. Gabric - Reg. No. 34,167 Paul E. Rauch, Ph.D - Reg. No. 38,591 K. Shannon Mrksich - Reg. No. 36,675 Tom Wrona - Reg. No. is 44,410

Send correspondence to the following address:

Attn: Paul E. Rauch, Ph.D.

Brinks, Hofer, Gilson & Lione NBC Tower - Suite 3600 455 Cityfront Plaza Drive Chicago, IL 60611-5599 Telephone: 312-321-4780

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Full name of sole or first inventor			
Avi Ashkenazi			
Inventor's signature	Date		
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1456 Tarrytown Street, San Mateo, CA 94402			
Citizenship			
us			
Post Office Address			
1 DNA Way			
South San Francisco, CA 94080			

Full name of second joint inventor, if any

David Botstein	
Inventor's signature 2539 Somerset Drive, Belmont, CA 94002	Date
Residence US	
Citizenship	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of third joint inventor, if any	
Luc Desnoyers	·
Inventor's signature 2050 Stockton Street, San Francisco, CA 94133	Date
Residence Canada—	
Citizenship	
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Full name of fourth joint inventor, if any	
Dan L. Eaton	
Inventor's signature 75 Knight Drive, San Rafael, CA 94901	Date
Residence US	
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Full nam of fifth joint inventor, if any

Napoleone Ferrara		
Inventor's signatur 2090 Pacific Avenue #704, San Francisco, CA 94109	Date	
Residence US	·	
Citizenship		
Post Office Address 1 DNA Way South San Francisco, CA 94080		
Full nam of sixth joint inventor, if any		
Ellen Filvaroff	· ·	
Inventor's signature 538 18 th Avenue, San Francisco, CA 94121	Date	
Residence US		
Citizenship		
Post Office Address 1 DNA Way South San Francisco, CA 94080		
Full name of seventh joint inventor, if any		
Shemin Fong		
Inventor's signature 19 Basin'side Way, Alameda, CA 94502	Date	
Residence US		
Citizenship		
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Full nam of eighth joint inventor, if any		
Wei-Qiang Gao		
Inventor's signature 641 Pilgrim Drive, Foster City, CA 94404	Date	
Residence China		
Citizenship		
Post Offic Address 1 DNA Way South San Francisco, CA 94080		

Full name of ninth joint inventor, if any Hanspeter Gerber Date Inventor's signature 1121 Tennessee Street #5, San Francisco, CA 94107 Residence Switzerland Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of tenth joint inventor, if any Mary E. Gerritsen Date Inventor's signature 541 Parrott Drive, San Mateo, CA 94402 Residence Canada_ Citizensijip ÷Ω Post Office Address 1 DNA May South San Francisco, CA 94080 Full name of eleventh joint inventor, if any Audrey Goddard Date Inventor's signature 110 Congo Street, San Francisco, CA 94131 Residence Canada Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twelfth joint inventor, if any Paul J. Godowski Date Inventor's signature 2627 Easton Drive, Burlingame, CA 94010 Residenc US Citizenship Post Office Address 1 DNA Way

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Jennie P. Mather Date Inventor's signature 269 La Prenda Drive, Millbrae, CA 94030 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of eighteenth joint inventor, if any James Pan Date Inventor's signature 2705 Coronet Boulevard, Belmont, CA 94002 Residence Canada Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of nineteenth joint inventor, if any Nicholas F. Paoni Date Inventor's signature 1756 Terrace Drive, Belmont, CA 94002 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twentieth joint inventor, if any Margaret Ann Roy Date Inventor's signature 2960 Webster Street #4, San Francisco, CA 94123 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080

Full name of seventeenth joint inventor, if any

Full nam of twenty-first joint inventor, if any	
Timothy A. Stewart	
Inventor's signature 465 Douglass Street, San Francisco, CA 94114	Date
Residence US	
Citizenship	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of twenty-second joint inventor, if any	
Daniel Tumas	·
Inventor's signature 3 Rae Avenue, Orinda, CA 94563	Date
Residence US	
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Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of twenty-third joint inventor, if any	
P. Mickey Williams	
Inventor's signature 509 Alto Avenue, Half Moon Bay, CA 94019	Date
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Full name of twenty-fourth joint inventor, if any	
Inventor's signature	Date
William I. Wood	
Residence 35 Southdown Court, Hillsborough, CA 94010	
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Date Inventor's signature Residence 1456 Tarrytown Street, San Mateo, CA 94402 Citizenship Post Office Address

1 DNA Way

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Full name of fifth joint inventor, if any

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Post-Office Address 1 DNA Way South San Francisco, CA 94080		
Full name of seventh joint inventor, if any		
Sherman Fong		
Inv ntor's signature 19 Basinside Way, Alameda, CA 94502	Date	
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Full name of eighth joint inventor, if any		
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Prior Foreign A	oplication(s):		<u>Priority Claimed</u> <u>Yes No</u>
ł jū			
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Full name of sole or first inventor	
A T A THU	
Avi Ashkenazi	
	Date
Inventor signature	Dato
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Austin L. Gurney	•
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inventor's certific filing date before	cate listed below and hav e that of the application o	der Title 35, United States Code, §119(a)-(d) of e also identified below any foreign application fo on which priority is claimed:	any foreign application(s) for patent or patent or inventor's certificate have a
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Cítizenship	
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Full nam of fifth joint inventor, if any Napoleone Ferrara Date Inventor's signature 2090 Pacific Avenue #704, San Francisco, CA 94109 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of sixth joint inventor, if any Ellen Filvaroff Date Inventor's signature 538 18th Avenue, San Francisco, CA 94121 Residence υS Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of seventh joint inventor, if any Sherman Fong Date Inventor's signature 19 Basinside Way, Alameda, CA 94502 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of eighth joint inventor, if any Wei-Qiang Gao Date Inventor's signature 641 Pilgrim Drive, Foster City, CA 94404 Residence China Citizenship

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Full name of ninth joint inventor, if any

t di name of famili joint inventor, it any	
Hanspeter Gerber	
Inventor's signature 1121 Tennessee Street #5, San Francisco, CA 94107	Date
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Full name of eleventh joint inventor, if any	
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Paul J. Godowski

Date Inventor's signature 2627 Easton Drive, Burlingame, CA 94010

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Full name of thirteenth joint inventor, if any

J. Christopher Grimaldi	
Inventor's signature 1434 36 th Avenue, San Francisco, CA 94122	Date
Residence US	
Citizenship	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of fourteenth joint inventor, if any	
Austin L. Gurney	
Inventor's signature 1 Debbie Lane, Belmont, CA 94002	Date
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Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of fifthteenth joint inventor, if any	
Kerineth J. Hillan	-
Inventor's signature 64 Seward Street, San Francisco, CA 94114	Date
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Citizenship	
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Full name of sixteenth joint inventor, if any	
Ivar J. Kljavin	
Inventor's signature 3673 Crescent Drive, Lafayette, CA 94549	Date
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Citizenship	
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Jennie P. Mather	
30 mil 79 118 1 20 / 12010 1	
Inventor's signature 269 La Prenda Drive, Millbrae, CA 94030	
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Citizenship	
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Full name of eighteenth joint inventor, if any	
James Pan	
Inventor's signature 2705 Coronet Boulevard, Belmont, CA 94002 Date	
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Full name of nineteenth joint inventor, if any Nicholas F. Paoni	
Inventor's signature Date 1756 Terrace Drive, Belmont, CA 94002	
Residence	
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Full name of twentieth joint inventor, if any	
Margaret Ann Roy	
Inventor's signature Date 2960 Webster Street #4, San Francisco, CA 94123	
Residence US	
Citizenship	
Post Office Address 1 DNA Way S uth San Francisco, CA 94080	

Full name of twenty-first joint inventor, if any

Tan hamo of thorny morjonism order, in any	
Timothy A. Stewart	
Inventor's signature 465 Douglass Street, San Francisco, CA 94114	Date
Residence US	
Citizenship	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of twenty-second joint inventor, if any	
Daniel Tumas	
Inventor's signature 3 Rae Avenue, Orinda, CA 94563	Date
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W.	
name of twenty-third joint inventor, if any	
P-Mickey Williams	-
Inventor's signature 509 Alto Avenue, Half Moon Bay, CA 94019	Date
Résidence US:	
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Full name of twenty-fourth joint inventor, if any	
Inventor's signature	Date
William I. Wood	
Residence 35 Southdown Court, Hillsborough, CA 94010	
Citizenship US	
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COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

Code of Federal Regulations, Section 1.56.

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same

the specification of which (check one) $\underline{\ }$ is attached hereto or $\underline{\ }$ was filed on <u>September 18, 2000</u> as Application Serial No. 09/665,350 and was amended on $\underline{\ }$ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

Lacknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37,

inventor's certifi	cate listed below and hav	der Title 35, United States Code, §119(a)-(d) of a e also identified below any foreign application for on which priority is claimed:	ny foreign application(s) for patent o patent or inventor's certificate have a
in	• •	•	
Prior Foreign A	pplication(s):		Priority Claimed
1			<u>Yes</u> <u>No</u>
Number	Country	Day/Month/Year Filed	
I hereby claim th	e benefit under Title 35, U	nited States Code, §119(e) of any United States p	rovisional applications(s) listed below
See Attached	Appendix A (Listing 62	U.S. Provisional Patent Applications)	
Application Ser		Filing Date	

I hereby claim the benefit under Title 35, United States Code, §120 of any United States applications(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

See Attached Appendix B (Listing 29 PCT International Patent Applications)

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Ralph J. Gabric - Reg. No. 34,167 Paul E. Rauch, Ph.D - Reg. No. 38,591 K. Shannon Mrksich - Reg. No. 36,675 Tom Wrona - Reg. No. is 44,410

Send correspondence to the following address:

Attn: Paul E. Rauch, Ph.D.

Brinks, Hofer, Gilson & Lione NBC Tower - Suite 3600 455 Cityfront Plaza Drive Chicago, IL 60611-5599 Telephone: 312-321-4780

I hereby declare that all statements made herein of my own knowledge and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon.

The undersigned hereby authorizes the U.S. attorney or agent named hereing to any action to be taken in the Patent and Trademark Office regarding this and or agent and the undersigned. In the event of a change in the persons from the herein will be so notified by the undersigned.	application without direct communication between the U.S. attorney
Full name of sole or first inventor	
Avi Ashkenazi	
Inventoris signature	Date
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Citizenship US	
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Full name of second joint inventor, if any

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Inventor's signature 75 Knight Drive, San Rafael, CA 94901	Date
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Full name of sixteenth joint inventor, if any Ivar J. Kljavin Date Inv ntor's signature 3673 Crescent Drive, Lafayette, CA 94549 Residenc US Citizenship Post Offic Address 1 DNA Way South San Francisco, CA 94080

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James Pan	June 18/0/
James Pan	
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Citizens Hp	
Post Office Address	
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Inventor's signature	Date
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Margaret Ann Roy	
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Full nam of twenty-first joint inventor, if any	
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Inventor's signature	Date
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Lacknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37.

Code of Federal Regulations, Section 1.56.	
·•	
I hereby claim foreign priority benefits under Ti	tle 35, United States Code, §119(a)-(d) of any foreign application(s) for patent o
inventor's certificate listed below and have also	identified below any foreign application for patent or inventor's certificate have a
filing date before that of the application on wh	nich priority is claimed:

Prior Foreign Ap	oplication(s):		<u>Priority Claimed</u> <u>Yes</u> <u>No</u>
			<u>103 140</u>
Number	Country	Day/Month/Year Filed	-
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Full name of sole or first inventor		
Avi Ashkenazi		
	Data	
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Full name of second joint inventor, if any

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Full name of fourth joint inventor, if any	
Dan L. Eaton	
Inventor's signature 75 Knight Drive, San Rafael, CA 94901	Date
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Page 6 Full name of thirteenth joint inventor, if any J. Christopher Grimaldi Date Inventor's signature 1434 36th Avenue, San Francisco, CA 94122 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of fourteenth joint inventor, if any Austin L. Gumey Date Inventor's signature 1 Debbie Lane, Belmont, CA 94002 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of fifthteenth joint inventor, if any Kenneth J. Hillan Date Inventor's signature 64 Seward Street, San Francisco, CA 94114 Residence GB ☐ Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of sixteenth joint inventor, if any Ivar J. Kljavin Date Inventor's signature 3673 Crescent Drive, Lafayette, CA 94549

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Full flam Of Seventeenth Joint Inventor, it any	
Jennie P. Mather	
Inventor's signature 269 La Prenda Drive, Millbrae, CA 94030	Date
Residence US	
Citizenship	
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Full name of eighteenth joint inventor, if any	
James Pan	
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Nicholas F. Paoni Ruffiels 4. Says	7/S/Ci
Inventor's signature 1756 Terrace Drive, Belmont, CA 94002	-
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rior Foreign A	pplication(s):		Priority Claimed Yes No
Number	Country	Day/Month/Year Filed	
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Application Ser	. No.	Filing Date	
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1	I name of sole or first inventor
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Full name of second joint inventor, if any

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Luc Desnoyers	
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Bull name of seventh joint inventor, if any	
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Full name of fourteenth joint inventor, if any	
Austin L. Gurney	
Inventor's signature 1 Debbie Lane, Belmont, CA 94002	Date
∰esidence ⊌S	
Glizenship	
Post Office Address LDNA Way South San Francisco, CA 94080	
Full name of fifthteenth joint inventor, if any	
Kenneth J. Hillan	
Inventor's signature £4 Seward Street, San Francisco, CA 94114	Date
flesidence GB	
Citizenship	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of sixteenth joint inventor, if any	
Ivar J. Kljavin	
Inventor's signature 3673 Crescent Drive, Lafayette, CA 94549	Date
Residence US	
Citizenship	
Post Office Address 1 DNA Way South San Francisco, CA 94080	

Full name of seventeenth joint inventor, if any Jennie P. Mather Date Inventor's signature 269 La Prenda Drive, Millbrae, CA 94030 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of eighteenth joint inventor, if any James Pan Date Inventor's signature 2705 Coronet Boulevard, Belmont, CA 94002 Residence Canada Cilizenship Post Office Address 50uth San Francisco, CA 94080 Full name of nineteenth joint inventor, if any Nicholas F. Paoni inventor's signature †756 Terrace Drive, Belmont, CA 94002 Date Residence US Qitizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twentieth joint inventor, if any Margaret Ann Roy Inventor's signature 2960 Webster Street #4, San Francisco, CA 94123 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080

Full name of twenty-first joint inventor, if any

Timothy A. Stewart	
Inventor's signature 465 Douglass Street, San Francisco, CA 94114	Date
Residence US	
Citizenship	•
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of twenty-second joint inventor, if any	
Daniel Tumas	
Inventor's signature 3 Rae Avenue, Orinda, CA 94563	Date
Residence	
dtizenship	
Ebst Office Address	
<u> </u>	
Full name of twenty-third joint inventor, if any Mickey Williams	
Triventor's signature 509 Alto Avenue, Half Moon Bay, CA 94019	Date
ਜesidence ⊎S	
Citizenship	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of twenty-fourth joint inventor, if any	
Inventor's signature	Date
William I. Wood	
Residence 35 Southdown Court, Hillsborough, CA 94010	
Citizenship US	
Post Office Address 1 DNA Way South San Francisco, CA 94080	

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

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Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same

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Application Ser.	No.	Filing Date			
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South San Francisco, CA 94080

Ralph J. Gabric - Reg. No. 34,167 Paul E. Rauch, Ph.D - Reg. No. 38,591 K. Shannon Mrksich - Reg. No. 36,675 Tom Wrona - Reg. No. is 44,410

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I hereby declare that all statements made herein of my own knowledge and belief are believed to be true; and further that these statements were made with the

Date

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Inventor's signature 2539 Somerset Drive, Belmont, CA 94002	Date	
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Full name of fourth joint inventor, if any		
Dan L-Eaton	Data	

Full name of fifth joint inventor, if any

Napoleone Ferrara	
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Inventor's signature 19 Basinside Way, Alameda, CA 94502	Date .
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Full name of eighth joint inventor, if any	
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Full name of thirteenth joint inventor, if any J. Christopher Grimaldi Date Inventor's signature 1434 36th Avenue, San Francisco, CA 94122 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of fourteenth joint inventor, if any Austin L. Gurney Date Inventor's signature 1 Debbie Lane, Belmont, CA 94002 Residence US US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of fifthteenth joint inventor, if any Kennetti J. Hillan Date Inventor's signature 64 Seward Street, San Francisco, CA 94114 Residence GB Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of sixteenth joint inventor, if any Ivar J. Kljavin Date Inventor's signature 3673 Crescent Drive, Lafayette, CA 94549 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080

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South San Francisco, CA 94080

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Full name of second joint inventor, if any

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Full name of third joint inventor, if any	
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Inventor's signature 2050 Stockton Street, San Francisco, CA 94133	Date
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Citizenship	
Post Office Address 1 DNATVay	
South San Francisco, CA 94080	
Full name of fourth joint inventor, if any	
Dan L=Eaton	
Inventor's signature	Date
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Citizenship	
Post Office Address	•
1 DNA Way South San Francisco, CA 94080	

Full name of fifth joint inventor, if any

Napoleone Ferrara	
Inventor's signature 2090 Pacific Avenue #704, San Francisco, CA 94109	Date
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Full name of sixth joint inventor, if any	
Ellen Filvaroff	
Inventor's signature 538 18 th Avenue, San Francisco, CA 94121	Date
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Full name of seventh joint inventor, if any Sherinan Fong	
Inventor's signature 19 Basinside Way, Alameda, CA 94502	Date .
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Full name of eighth joint inventor, if any	
Wei-Qiang Gao	
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Full name of ninth joint inventor, if any

Hanspeter Gerber	
Inventor's signature 1121 Tennessee Street #5, San Francisco, CA 94107	Date
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Citizenship	·
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Full name of tenth joint inventor, if any	
Mary E. Gerritsen	
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Full name of eleventh joint inventor, if any	
Audrey Goddard	Date
Inventer's signature 110 Cango Street, San Francisco, CA 94131	Date
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Full name of twelfth joint inventor, if any	
Paul J. Godowski	
Inventor's signature 2627 Easton Drive, Burlingame, CA 94010	Date
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Post Office Address 1 DNA Way South San Francisco, CA 94080	

Full name of thirteenth joint inventor, if any

J. Christopher Grimaldi	
Inventor's signature	Date
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Residence	
us	
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1 DNA Way	
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Daniel Tumas Daniel Tumas Tanna	6-21-201
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P. Mickey Williams	
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Full name of sole or first inventor	
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Dan L. Eaton	
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Full name of seventh joint inventor, if any Sherman Fong	
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Editor Maria National Association of Control	
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Post Office Address	
1 DNA Way	
South San Francisco, CA 94080	•

Page 8 Full name of twenty-first joint inventor, if any Timothy A. Stewart Date Inventor's signature 465 Douglass Street, San Francisco, CA 94114 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twenty-second joint inventor, if any **Daniel Tumas** Date Inventor's signature 3 Rae Avenue, Orinda, CA 94563 Residence US 👸 Citizeaship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full:name of twenty-third joint inventor, if any P. Mickey Williams Inventor's signature 509 Alto Avenue, Half Moon Bay, CA 94019 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twenty-fourth joint inventor, if any Date Inventor's signature William I. Wood Residence 35 Southdown Court, Hillsborough, CA 94010 Citizenship

Post Office Address
1 DNA Way

South San Francisco, CA 94080

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same

the specification of which (check one) $_{\rm i}$ is attached hereto or \underline{X} was filed on <u>September 18, 2000</u> as Application Serial No. <u>09/665,350</u> and was amended on $_{\rm i}$ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

Lacking whedge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate have a filing date before that of the application on which priority is claimed:

Prior foreign Ap	oplication(s):			Priority Yes	Claimed No
Number	Country	Day/Month/Year Filed			
\		nited States Code, §119(e) of any United Sta	ites provisional applic	ations(s) li	sted below:
See Attached A	Appendix A (Listing 62	U.S. Provisional Patent Applications)			
Application Ser.	No.	Filing Date			

I hereby claim the benefit under Title 35, United States Code, §120 of any United States applications(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

See Attached Appendix B (Listing 29 PCT International Patent Applications)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.



PATENT TRADEMARK OFFICE

South San Francisco, CA 94080

Ralph J. Gabric - Reg. No. 34,167 Paul E. Rauch, Ph.D - Reg. No. 38,591 K. Shannon Mrksich - Reg. No. 36,675 Tom Wrona - Reg. No. is 44,410

Sand	correspor	annah	to the	following	address:
Senu	Correspor	luclice	io ille	TOHOWHILL	auui coo.

Attn:

Paul E. Rauch, Ph.D.

Brinks, Hofer, Gilson & Lione NBC Tower - Suite 3600 455 Cityfront Plaza Drive Chicago, IL 60611-5599 Telephone: 312-321-4780

I hereby declare that all statements made herein of my own knowledge and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent issued thereon. The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from his foreign patent agent as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned. Full name of sole or first inventor Avi Asbkenazi Date Inventor's signature Residence 1456 Tarrytown Street, San Mateo, CA 94402 Citizenship US Post Office Address 1 DNA Way

Full name of second joint inventor, if any

David Botstein	
Inventor's signature 2539 Somerset Drive, Belmont, CA 94002	Date
Residence US	
Citizenship	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of third joint inventor, if any	
Luc Desnoyers	·
Inventor's signature 2050 Stockton Street, San Francisco, CA 94133	Date
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Citizenship	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of fourth joint inventor, if any	
Dan L. Eaton	
Inventer's signature 75 Knight Drive, San Rafael, CA 94901	Date
Residence US ≟	
Citizenship	
Post Office Address 1 DNA Way South San Francisco, CA 94080	

Full name of fifth joint inventor, if any

Napoleone Ferrara	
Inventor's signature	Date
2090 Pacific Avenue #704, San Francisco, CA 94109	
Residence	
US	
Citizenship	
Post Office Address	
1 DNA Way	
South San Francisco, CA 94080	
Full name of sixth joint inventor, if any	
Ellen Filvaroff	
Inventore cianature	Date
Inventor's signature 538 18 th Avenue, San Francisco, CA 94121	
Residence	
US T	
Citizenship	
Post Office Address	
1 DNA Way	
South San Francisco, CA 94080	
i p	
Full name of seventh joint inventor, if any	
Sherman Fong	
Inventor's signature	Date
19 Basinside Way, Alameda, CA 94502	<u>.</u>
Residence	
US THE	
Citizenship	
Post Office Address	
1 DNA Way	
South San Francisco, CA 94080	
Full name of eighth joint inventor, if any	
Wei-Qiang Gao	
Inventor's signature	Date
641 Pilgrim Drive, Foster City, CA 94404	
Residence	
China	
Citizenship	
Post Offic Address	
1 DNA Way	
South San Francisco, CA 94080	

Full name of ninth joint inventor, if any Hanspeter Gerber Date Inventor's signature 1121 Tennessee Street #5, San Francisco, CA 94107 Residence Switzerland Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of tenth joint inventor, if any Mary E. Gerritsen Date Inventor's signature 541 Parrott Drive, San Mateo, CA 94402 Residence Canada Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of eleventh joint inventor, if any Audrey Goddard Inventor's signature Date 110 Congo Street, San Francisco, CA 94131 Residence Canada Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twelfth joint inventor, if any Paul J. Godowski Date Inventor's signature 2627 Easton Drive, Burlingame, CA 94010 Residence US Citizenship Post Office Address 1 DNA Way

South San Francisco, CA 94080

Full name of thirteenth joint inventor, if any

J. Christopher Grimaldi	
Inventor's signature 1434 36 th Avenue, San Francisco, CA 94122	Date
Residence US	
Citizenship	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of fourteenth joint inventor, if any	
Austin L. Gurney	
Inventor's signature 1 Debbie Lane, Belmont, CA 94002	Date
Residence US	
Citizenship	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of fifthteenth joint inventor, if any	
Inventor's signature 64 Seward Street, San Francisco, CA 94114	Date
Residence GB	
Citizenship	
Post Office Address 1 DNA Way South San Francisco, CA 94080	
Full name of sixteenth joint inventor, if any	
Ivar J. Kljavin	
Inventor's signature 3673 Crescent Drive, Lafayette, CA 94549	Date
Residence US	
Citizenship	
Post Office Address 1 DNA Way South San Francisco, CA 94080	

Full name of seventeenth joint inventor, if any Jennie P. Mather

Inventor's signature 269 La Prenda Drive, Millbrae, CA 94030	Date
Residence US	
Citizenship	
Post Office Address 1 DNA Way	
South San Francisco, CA 94080	
Full name of eighteenth joint inventor, if any	
James Pan	
Inventor's signature 2705 Coronet Boulevard, Belmont, CA 94002	Date
Residence Canada	
Citizenship	
Post;Office Address 1 DNA⊡Vay	
South-San Francisco, CA 94080	
Full name of nineteenth joint inventor, if any	
Nicholas F. Paoni	
Inventer's signature 1756 Terrace Drive, Belmont, CA 94002	Date
Residence US 4	
Citizenship .	
Post Office Address 1 DNA Way	
South San Francisco, CA 94080	·
Full name of twentieth joint inventor, if any	
Margaret Ann Roy	
Inventor's signature 2960 Webster Street #4, San Francisco, CA 94123	Date
Residence US .	
Citizenship	
Post Office Address 1 DNA Way South San Francisco, CA 94080	

Full name of twenty-first joint inventor, if any Timothy A. Stewart Date Inventor's signature 465 Douglass Street, San Francisco, CA 94114 Residence US Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full name of twenty-second joint inventor, if any **Daniel Tumas** Date Inventor's signature 3 Rae Avenue, Orinda, CA 94563 Residence US : 🗂 Citizenship Post Office Address
1 DNA Way South-San Francisco, CA 94080 Į Full name of twenty-third joint inventor, if any P. Mickey Williams Date Inventor's signature 509 Alto Avenue, Half Moon Bay, CA 94019 Residence US ∐≟ Citizenship Post Office Address 1 DNA Way South San Francisco, CA 94080 Full/name of twenty-fourth joint inventor, if any Inventor's signature William I. Wood Residence 35 Southdown Court, Hillsborough, CA 94010 Citizenship US Post Office Address 1 DNA Way South San Francisco, CA 94080

Appendix A

I hereby claim benefit under Title 35, United States Code, §119(e) of any United States Provisional applications listed below:

_	ovisional Application Serial Number	Filing Date
60		September 17, 1997
	0/059,115	September 17, 1997
	0/059,184	September 17, 1997
	0/059,122	September 17, 1997
6	50/059,117	September 17, 1997
(50/059,113	September 17, 1997
Ľ	60/059,121	September 17, 1997
	60/059,119	September 18, 1997
	60/059,263	September 18, 1997
1	60/059,266	October 15, 1997
	60/062,125	October 17, 1997
	60/062,287	October 17, 1997
	60/062,285	October 21, 1997
	60/063,486	October 24, 1997
Ŀ	60/062,816	October 24, 1997
	60/062,814	October 24, 1997
	60/063,127	October 24, 1997
	60/063,120	October 24, 1997
	60/063,121	October 24, 1997
	60/063,045	October 24, 1997
	60/063,128	October 27, 1997
	60/063,329	October 27, 1997
	60/063,327	October 28, 1997

1 13

Appendix A

I hereby claim benefit under Title 35, United States Code, §119(e) of any United States Provisional applications listed below:

60/063,541	October 28, 1997
60/063,550	October 28, 1997
60/063,542	October 28, 1997
60/063,544	October 28, 1997
60/063,564	October 28, 1997
60/063,734	October 29, 1997
60/063,738	October 29, 1997
60/063,704	October 29, 1997
60/063,435	October 29, 1997
60/064,215	October 29, 1997
60/063,735	October 29, 1997
60/063,732	October 29, 1997
60/064,103	October 31, 1997
60/063,870	October 31, 1997
60/064,248	November 3, 1997
60/064,809	November 7, 1997
60/065,846	November 11, 1997
60/065,186	November 12, 1997
60/065,846	November 17, 1997
60/065,693	November 18, 1997
60/066,120	November 21, 1997
60/066,364	November 21, 1997
60/066,772	November 24, 1997
60/066,466	November 24, 1997



Appendix A

I hereby claim benefit under Title 35, United States Code, §119(e) of any United States Provisional applications listed below:

November 24, 1997
November 24, 1997
November 24, 1997
November 25, 1997
December 12, 1997
June 4, 1998
September 10, 1998
September 14, 1998
September 17, 1998
October 13, 1998
November 20, 1998
December 22, 1998
July 7, 1999
July 26, 1999
July 28, 1999



 $\frac{\textbf{Appendix B}}{\text{I hereby claim benefit under Title 35, United States Code, } \$120 \text{ of any United States and PCT International applications listed below:}$

	PCT/US Serial Number	Filed	<u>Status</u>
	PCT/US98/18824	September 10, 1998	Abandoned
	PCT/US98/19177	September 14, 1998	Abandoned
	PCT/US98/19330	September 16, 1998	Abandoned
	PCT/US98/19437	September 17, 1998	Abandoned
	PCT/US98/25108	December 1, 1998	Abandoned
	PCT/US99/20594	September 8, 1999	Pending
	PCT/US99/20944	September 13, 1999	Pending
	PCT/US99/21090	September 15, 1999	Pending
	PCT/US99/21547	September 15, 1999	Pending
	PCT/US99/23089	October 5, 1999	Pending
	PCT/US99/28214	November 29, 1999	Pending
ā	PCT/US99/28313	November 30, 1999	Pending
F	PCT/US99/28301	December 1, 1999	Abandoned
	PCT/US99/28564	December 2, 1999	Pending
l D	PCT/US99/28565	December 2, 1999	Pending
* !###	PCT/US99/30095	December 16, 1999	Pending
	PCT/US99/30999	December 20, 1999	Pending
` '*	PCT/US99/30911	December 20, 1999	Pending
	PCT/US00/00219	January 5, 2000	Pending
4	PCT/US00/03565	February 11, 2000	Pending
	PCT/US00/04414	February 22, 2000	Pending
	PCT/US00/05004	February 24, 2000	Pending
	PCT/US00/05841	March 2, 2000	Pending
	PCT/US00/07377	March 20, 2000	Pending
	PCT/US00/08439	March 30, 2000	Pending
	PCT/US00/14042	May 22, 2000	Pending
	PCT/US00/15264	June 2, 2000	Pending
	PCT/US00/20710	July 28, 2000	Pending
	PCT/US00/23328	August 24, 2000	Pending